

PATENT SVL920030118US1 0056.0020

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applica	ition of:) Examiner: Not Yet A	Examiner: Not Yet Assigned			
M.F. Fontou	ıra et al.)	G			
Serial No.:	10/764,800)				
Filed:	January 26, 2004) Art Unit: Not Yet Ass	igned			
For:	ARCHITECTURE FOR AN INDEXER) .				
)				
)				
)				

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Dear Sirs:

In accordance with 37 CFR §§ 1.56, 1.97, and 1.98, enclosed please find Form PTO-1449 listing the attached references which might be deemed material to the examination of the above-identified application. Applicants submit that no fee is needed nor should be charged with the submittal of this Information Disclosure Statement (IDS) because this IDS is being submitted under 1.97(b) in that the IDS is being filed before the mailing date of a first Office Action on the merits or within three months of the filing date of a national application other than a continued prosecution application under 1.53(d). Applicants submit that a first Office Action has not been received in the above referenced case.

Nonetheless, should any fee be deemed necessary, please charge any insufficiency or credit any overpayment to Deposit Account No. 09-0460. A duplicate of this letter is enclosed for fee processing.

Respectfully submitted,

Janaki K. Davda

Janaki K. Davda

Dated: April 9, 2004

Registration No. 40,684

KONRAD RAYNES & VICTOR, LLP 315 S. Beverly Drive, Suite 210 Beverly Hills, CA 90212

(310) 556-7983

(310) 556-7984 (fax)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 9, 2004.

Janaki K. Davda

(Date)

FORM PTO-1449

INTERMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number SVL920030118US1 Application Number 10/764,800

Applicant

M.F. Fontoura et al.

Filing Date
January 26, 2004

Group Art Unit
Not Yet Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL			DOCUN	MENT N	UMBEI	R		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5	2	8	7	4	9	6	02-15-1994	Chen et al.			
	5	5	7	4	9	0	6	11-12-1996	Morris			
	5	6	8	5	0	0	3	11-04-1997	Peltonen et al.			
	5	7	0	1	4	6	9	12-23-1997	Brandli et al.			
	5	7	4	5	8	9	9	04-28-1998	Burrows			
	5	7	4	5	9	0	4	04-28-1998	King et al.			
<u>.</u>	5	7	4_	5	9	0_	6	04-28-1998	Squibb			
	5	7	6	5	1	6	8	06-09-1998	Burrows			
	5	8	3	2	5	1	9	11-03-1998	Bowen et al.			
	5	8	6	4	8	6	3	01-26-1999	Burrows			
	5	8	7	3	0	9	7	02-16-1999	Harris et al.			
	5	8	9	3	1	1	9	04-06-1999	Squibb			
	5	9	0	3	8	9	1	05-11-1999	Chen et al.			
	5	9	9	5	9	8	0_	11-30-1999	Olson et al.			
	6	0	1	6	5	0	1	01-18-2000	Martin et al.			
	6	0	2	6	4	1	3	02-15-2000	Challenger et al.			
	6	0	8	8	6	9	4	04-11-2000	Burns et al.			
	6	1	9	2	2	5	8	02-20-2001	Kamada et al.			
	6	2	0	5	4	5	1	03-20-2001	Norcott et al.			
	6	2	1	6	1	7	5	04-10-2001	Sliger et al.			
	6	2	3	3	5	7	1	05-15-2001	Egger et al.			
	6	2	4	3	7	1	3	06-05-2001	Nelson et al.			
	6	2	4	3	7	1	8	06-05-2001	Klein et al.			
	6	2	7	8	9	9	2	08-21-2001	Curtis et al.			
	6	3	3	6	1	1	7	01-01-2002	Massarani			
	6	3	3	9	7	7	2	01-15-2002	Klein et al.			
	6	3	7	4	2	6	8	04-16-2002	Testardi			
	6	3	8	5	6	1	6	05-07-2002	Gardner			
	6	4	1	8	4	3	3	07-09-2002	Chakrabarti et al.			
	6	4	6	3	4	3	9	10-08-2002	Dahlberg			

										<u> </u>				·
FORM PTO-1449							Docket Number Application Number SVL920030118US1 10/764,800		ımber					
IN	FOR							ATION		Applicant M.F. Fontoura et a	ıl.		<u> </u>	
IN AN APPLICATION (Use several sheets if necessary)									Filing Date January 26, 2004 Group Art Unit Not Yet Assigned					
	6	5	1	9	5	9	3	02-11-2003	Mat	ias et al.				
	6	5	1	9	5	9	7	02-11-2003		ng et al.				
	6	5	4	2	9	0	6	04-01-2003	Коп					
	6	5	6	7	8	0	4	05-20-2003	1	asamy et al.				
	6	5	8	4	4	5	8	06-24-2003		ett et al.				
												 		
											 			
						†				-				
												 		·
									-					
												-		
								<u> </u>						
	L		<u> </u>	L	<u> </u>	<u> </u>	FOR	EIGN PATE	ENT I	OCUMENTS		L	<u> </u>	
	DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS Translation									lation NO				
	1	0	2	9	3	7	67	11-04-1998	JР	<u>.</u>				T
-	1	0	2	8	9	2	46	10-27-1998	JP	-			Abst	
	2	0	0	70	33	93	09	12-08-2000	JP			 	Abst	
			_ <u> </u>	<u> </u>						Title, Date, Pertine	nt Pages, E	tc.)	Abst	<u> </u>
U.S. Patent Application Publication No. US-2001/0049671 dated December 6, 2001, entitled E-Stract: A Process for Knowledge-Based Retrieval of Electornic Information, by JOERG.														
U.S. Patent Application Publication No. US-2002/0032705 dated March 14, 2002, entitled Method and System for Placing an Insertion Point in an Electronic Document, by HIGASHIYAMA, et al.														
U.S. Patent Publication No. US-2002/0099723 dated July 25, 2002, entitled Apparatus and Method to Support Management of Uniform Resource Locators and/or Contents of Database Servers, by GARCIA-CHIESA.														
U.S. Patent Application Publication No. US-2002/0129014 dated September 12, 2002, entitled Systems and Methods of Retrieving Relevant Information, by KIM et al.														
U.S. Patent Application Publication No. US-2003/0046311 dated March 6, 2003, entitled <i>Dynamic Search Engine and Database</i> , by BAIDYA et al.														
U.S. Patent Application Publication No. US-2003/0163454 dated August 28, 2003, entitled Subject Specific Search Engine, by														
JACOBSEN et al. U.S. Potent Application Publication No. 115 2003/0177127 devides a la 10 2002 della 15 de la 10 2002 della 15														
: 	U.S. Patent Application Publication No. US-2003/0177127 dated September 18, 2003, entitled System and Method for Distrubuting Services for Knowledge Management Processing, by GOODWIN et al.													

Docket Number Application Number FORM PTO-1449 SVL920030118US1 10/764,800 Applicant INFORMATION DISCLOSURE CITATION M.F. Fontoura et al. IN AN APPLICATION **Filing Date** Group Art Unit January 26, 2004 (Use several sheets if necessary) Not Yet Assigned U.S. Patent Application Publication No. US-2003/0187833 dated October 2, 2003, entitled Hypermedia Resource Search Engine and Related Indexing Method, by PLU Macurious Software Foundation. Macurious Spider Frequently Asked Questions 3.0 [online] [retrieved on 10/08/2003]. Available from http://www.macurious.com/spider/fag.htm Miscellaneous Articles from Newsgroups, Available from: (1) Newsgroups:google.public.support.general; Date: 2002-07-05 and 2002-07-06; (2) Newsgroups: comp.protocols.tcp-ip.domains; Date 2000/04/08; (3) Newsgroups: micorsoft.public.frontpage.client; Date: 1999/03/18 [3 entries] and 1999/03/19 and (4) Newsgroups:alt.internet.search-engines; Date: 2002-01-26 KAINDL. H., et al.. "Combining Structure Search and Content Search for the World-Wide Web," 1998 ACM, ISBN 0-89791-972-6-06/1998, pp. 217-224. WEINREICH, H., et al.. "The Look of the Link - Concepts for the User Inerface of Extended Hyperlinks," 2001, ACM ISBN 1-59113-420 - 07/01/2001, pp. 19-28. DIEBERGER, A. "Context Lenses - Document Visualization and Navigation Tools for Rapid Access to Detail." In Human-Computer Interaction INTERACT '01. IFIP TC. 13 International Conference on Human-Computer Interaction, 9th-13th July 2001, Tokyo, Japan, IOS Press. Title page, copyright page and article (pp. 545-552)... HARDMAN, L. "Links in Hypermedia: the Requirement for Context." 5th ACM Conference on Hypertext, '93 Proceedings, pp. 183-BAEZA-YATES, R. and B. RIBEIRO-NETO. "Modern Inforantion Retrieval." England: Pearson Education Limited, 1999, title page, copyright page, table of contents (ix-xvi), and Chapter 8 "Indexing and Searching" (pp.191-199, 222-228, 382-384) LIPYEOW, L. et al. "Dynamic Maintenance of Web Indexes Using Landmarks," 10 pages. WWW2003, May 20-24, 2003, Budapest, Hungary. ACM. Available from http://citreseer.nj.nec.com/590376.html ZOBEL, J. et al. "In-Memory Hash Tables for Accumulating Text Vocabularies," pp. 1-9. Information Processing Letters, vol. 80, no. 6, pp. 271-277, 2001. Available from http://citeseer.nj.nec.com/529586.html BROWN, E. et al. "Execution Performance Issues in Full-Text Information Retrieval." Technical Report 95-81, October 1995. Computer Science Department, Amherst, MA (Ph.D. Thesis), 179 pages. Available from http:// citeseer.nj.nec.com/brown95execution.html BROWN, E. et al. "Fast Incremental Indexing for Full-Text Information Retrieval," pp. 1-11. Proceedings of the 20th VLDB Conference, pp. 192-202, Santiago, Chile, 1994. Available from http://citeseer.nj.nec.com/brown94fast.html LU, Z. "Scalable Distributed Architectures for Information Retrieval." Amherst, MA (Ph.D. Thesis), 178 pages. Available from http:// citeseer.nj.nec.com/luscalable.html AGARWAL, R.C. "A Super Scalar Sort Algorithm for RISC Processors," pp. 240-246. Proceedings of the 1996 ACM SIGMOD International Conference on Management of Data, 1996. Available from http://citeseer.nj.nec.com/agarwal96super.html ARPACI-DUSSEAU, A.C. et al. "High Performance Sorting on Networks of Workstations," 12 pages. Proceedings of the 1996 ACM SIGMOD International Conference on Management of Data, 1997. Available from http://portal.acm.org/citation.cfm?id-253322&coll=portal&dl=ACM&CFID=13536765&CFTOKEN=64334274 CLARKE, C.L.A., et al. "Shortest Substring Ranking (MultiText Experiments for TREC-4)," pp. 1-10. Proceedings of the Fourth Text Retrieval Conference, November, 1995. Available from http://citeseer.nj.nec.com/84012.html TOMASIC, A. et al. "Performance of Inverted Indices in Shared-Nothing Distributed Text Document Information Retrieval Systems," 11 pages. Proceedings of the 2nd International Conference on Parallel and Distributed Information Systems, January, 1983url = TOMASIC, et al. "Incremental Updates of Inverted Lists for Text Document Retrieval," pp. 143. Available from http://citeseer.nj.nec.com/tomasic93incremental.html MELNIK, S. et al. "Building a Distributed Full-Text Index for the Web," 10 pages, 2001. In World Wide Web, pp. 396-406. Available from http://citeseer.nj.nec.com/long03optimized.html

FORM PTO-1	449	Docket Number Application Number SVL920030118US1 10/764,800									
IN	FORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant M.F. Fontoura et al.									
	(Use several sheets if necessary)	Filing Date January 26, 2004	Group Art Unit Not Yet Assigned								
	LONG, X and T. SUEL. "Optimized Query Execution in Large Search Engines with Global Page Ordering," 12 pages. Proceeding the 29th VLDB Conference, Berlin, Germany, 2003. Available from http://citeseer.nj.nec.com/long03optimized.html										
	CALLAN, J.P et al. "The INQUERY Retrieval System," 9 pages. Proceedings {DEXA}-92, 3rd International Conference on Database and Expert Systems Applications, pp. 78-83, 1992. Available from http://citeseer.nj.nec.com/26307.html										
	PEARSON, P.K. "Fast Hashing of Variable Length Text Strings," pp. 677-680. Communications of the ACM, June 1990, Vol. 33, No. 6.										
	WITTEN, I.H., et al. "Managing Gigabytes. Compressing and Indexing Documents and Images." San Francisco: Morgan Kaufmann Publishers, 1999, title page, copyright page, table of contents (v-xi) and Chapter 5 "Index Construction" (pp. 223-261).										
	CORME, T.H., et al. "Introduction to Algorithms." Cambridge: The MIT Press, Second Edition, 2003, title page, copyright page, table of contents (v-xi) and Chapter 8 "Sorting in Linear Time" (pp. 165-177).										
	SEDGEWICK, R. "Algorithms in C++. Parts 1-4." Boston: Addison-Wesley Publishing Co., 1998. title page, copyright page, table of contents (xv-xix) and Chapter 10 "Radix Sorting" (pp. 417-433, 436-450).										
	U.S. Patent Application Serial No. 10/764,771, filed on January 26, 2004, entitled Method, System, and Program for Handling Redirects in a Search Engine, by M. F. FONTOURA, et al.										
	U.S. Patent Application Serial No.10/764,801, filed on January 26, 2004, entitled Method, System, and Program for Handling Anchor Text, by R. KRAFT, et al.										
	U.S. Patent Application Serial No. 10/764,772, filed on January 26, 2004, entitled A Pipelined Architecture for Global Analysis and Index Building, by M. F. FOUTOURA, et al.										
EXAMINER	DATE CONSIDERED										
EXAMINER: In	EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPER & 600. Draw line through citation if not in conformance with MPER.										

PTO/SB/ 08 (04-04) Apr 2004

0056.0020

and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE